

WHAT IS CLAIMED IS:

1. A method for producing a slip ring brush, the slip ring brush including a printed circuit board having a first surface, a second surface opposite to the first surface, a printed circuit trace, and a bore penetrating the printed circuit board from the first surface to the second surface, and a brush element, comprising:

producing an electrical contact between the brush element and the printed circuit trace by soldering such that solder coming from the second surface of the printed circuit board penetrates through the bore of the printed circuit board all the way to the brush element at the first surface.

2. The method as recited in claim 1, wherein the brush element includes an inner side and an outer side, the method further comprising positioning the outer side of the brush element onto the first surface of the printed circuit board before the soldering.

3. The method as recited in claim 1, further comprising aligning the brush element before the soldering such that the brush element is situated at an exit, from the first surface of the printed circuit board, of the bore.

4. The method as recited in claim 1, further comprising metallizing the bore before the soldering.

5. The method as recited in claim 1, wherein the soldering includes at least one of a manual soldering process and a flow solder process.

6. The method as recited in claim 1, wherein the brush element includes a plurality of shanks.

7. The method as recited in claim 1, further comprising contacting a pad on the second surface of the printed circuit board to the end of a cable.

8. The method as recited in claim 7, wherein the cable includes a flat band cable.

9. A slip ring brush, comprising:

a printed circuit board including a first surface, a second surface opposite to the first surface, a printed circuit trace and a bore which penetrates the printed circuit board from the first surface to the second surface; and

a brush element, the brush element and the printed circuit trace electrically coupled by a solder connection, solder of the soldered connection penetrating from the second surface of the printed circuit board through the bore to the brush element at the first surface.

10. The slip ring brush as recited in claim 9, wherein the brush element includes an inner side and an outer side, and, at the soldered connection, the outer side of the brush element points toward the first surface of the printed circuit board.

11. The slip ring brush as recited in claim 9, wherein the brush element is U-shaped and includes a plurality of shanks.

12. The slip ring brush as recited in claim 9, wherein the brush element includes a noble metal alloy.

13. The slip ring brush as recited in claim 9, wherein the bore is metallized.

14. The slip ring brush as recited in claim 9, further comprising a pad situated on the second surface of the printed circuit board configured to contact to an end of a cable.

15. The slip ring brush as recited in claim 14, wherein the cable includes a flat band cable.

16. A slip ring brush, comprising:

a printed circuit board including a first surface, a second surface opposite to the first surface, a printed circuit trace and a bore which penetrates the printed circuit board from the first surface to the second surface, the printed circuit board including a pad on the second surface configured to contact an end of a cable; and

a brush element including a noble metal alloy arranged in a U-shape and including a plurality of shanks;

wherein the brush element and the printed circuit trace are electrically coupled by a solder connection, solder of the solder connection penetrating from the second surface of the printed circuit board through the bore of the printed circuit board to the brush element at the first surface.